

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	26140	(motor\$5) and (extend\$4 with life\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:13
L10	77	(pump\$5 with (blockage\$5 cavit\$5)) same (motor\$5 with life\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:23
L11	143	(control\$3 adj3 signal\$5) with (pump\$5 near3 (block\$5 cavit\$5)) and (motor\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:17
L13	254	(control\$3 adj3 signal\$5) with (pump\$5 near3 (block\$5 cavit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:19
L14	20	10 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:29
L15	58	11 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:19
L16	96	13 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:19
L18	6	(("6757665") or ("6326758") or ("6289735")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:27

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L19	0	((pump\$5 with (blockage\$5 cavit\$5) same (motor\$5 with (increa\$5 exten\$4) with life\$3)) with ((modif\$4 adjust\$4) with signal\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:28
L20	19	((pump\$5 with (blockage\$5 cavit\$5) and (motor\$5 with (increa\$5 exten\$4) with life\$3)) and ((modif\$4 adjust\$4) with signal\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:34
L21	0	20 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:55
L23	1372	(700/28).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:30
L24	452	(706/15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:30
L25	624	(318/609).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:30
L26	0	20 and 23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:41
L27	0	20 and 24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:31

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L28	2	20 and 25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:33
L29	1914	(increas\$4 extend\$3 extension) near3 (motor\$3 near3 life\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:33
L30	17	(increas\$4 extend\$3 extension) near3 (motor\$3 near3 life\$3) same (control\$3 adj3 signal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:40
L31	19	(pump\$5 with (blockage\$5 cavit\$5)) and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:34
L32	0	(pump\$5 with (blockage\$5 cavit\$5)) and 30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:39
L33	1914	(increas\$4 extend\$3 extension) near3 (motor\$3 near3 life\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:35
L34	53	(pump\$5 with (blockage\$5 cavit\$5)) and 33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:36
L35	18	34 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:42

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L36	74	(pump\$5 with (blockage\$5 cavit\$5) near9 predetermin\$5 near3 amount)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:41
L37	0	36 and (motor\$3 near3 life\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:40
L38	0	36 and (motor\$3 near9 life\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:41
L39	0	36 and (motor\$3 near9 life\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:41
L40	32	(pump\$5 with (blockage\$5 cavit\$5) near9 predetermin\$5 near3 amount) and motor\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:43
L41	0	40 and (24 25 23)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:41
L42	18	40 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:44
L43	137	(modify\$5 chang\$4 adjust\$4) with (pump\$5 with (blockage\$5 cavit\$5) with predetermin\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:43

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L44	61	43 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:51
L45	8	"6004017"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:54
L46	260	(motor\$5 with (life\$4 limit\$4)) with (pump\$3) with (cavitat\$5 block\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:55
L47	97	46 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:56
L48	58	(motor\$5 with (life\$4 limit\$4)) with (pump\$3) with (cavitat\$5 blockage\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:55
L49	23	48 and @ad<"19980929"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 19:56


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**1 Software safety: why, what, and how**
 Nancy G. Leveson
 June 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 2
Publisher: ACM PressFull text available: [pdf\(4.18 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Software safety issues become important when computers are used to control real-time, safety-critical processes. This survey attempts to explain why there is a problem, what the problem is, and what is known about how to solve it. Since this is a relatively new software research area, emphasis is placed on delineating the outstanding issues and research topics.

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1 Software safety: why, what, and how



Nancy G. Leveson

 June 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 2

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GlobalSpec: Industrial MRO

Cavitation: Causes and Corrections Trapping Bad Smells ... uses, or stores key lubricants and oils if a facility wants to **extend** equipment **lifetime**. ...

www.globalspec.com/Newsletter/ViewIssue?vol=Vol1Issue2

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TAMU Pump Show Papers

TAMU Pump Show, 1998, **Pump** Impeller Lifetime Improvement Through Visual Study of Leading-edge Cavitation, Frank C. Visser, Jack J.M. Backx, Jan Geerts, ...

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lifetime lubricated. Each **pump** shall provide a minimum of seventy (70). gallons per minute, at ten (10) feet of head. Each **motor** must have built ...

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The impeller housing for the **pump** shown is. made of a transparent material to visually validate the. accuracy of the **motor** as a **cavitation** sensor. ...

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Motor: Keeping It Cool

It also can be responsible for water **pump** **cavitation** erosion-corrosion, ... OAT have supplementary additive packages to **extend** the life of the factory fill. ...

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The operating conditions detected by the diagnostic component may include **motor**, **motor** drive, or **pump** faults, **pump cavitation**, pipe breakage or blockage, ...

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Service **lifetime** refers to the time period that a **pump** may operate ... at least partially vaporize, causing destructive **cavitation** of the **pump** interior. ...

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Once identified, **cavitation** can be prevented. Simply put, **cavitation** is the result of liquid being pumped away from the **pump** at a faster rate than liquid ...

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anti-cavitation check valves provide. system integrity. ... **lifetime** operation. Vane. Frame size in any vane **pump** or. **motor** product series remains ...

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Grumpy Old Man's Journal - The ramblings of a dillusional man.

pump cavitation erosion-corrosion, particularly in some ... packages to **extend** the life of the factory fill. Cummins recommends installing an additive ...
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Outboard motor cavitation plate extension - Patent 4744779

Outboard motor cavitation plate extension. Document Type and Number: the water pump of the outboard motor 16 may be expected to enjoy a long lifetime ...
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Methods and systems for analyzing the degradation and failure of ...

The system of claim 31, further comprising: a **motor** housing **extension** integrally In comparison with the six-month **pump** **lifetime** associated with the ...
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extension of the development programme (as is done in aeronautics), ... HM7B engine hydrogen **pump**, flights were ... **pump cavitation** had been qualified. ...
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TAMU Pump Show Papers

TAMU Pump Show, 1998, **Pump Impeller Lifetime** Improvement Through Visual Study of TAMU Pump Show, 2004, DEMONSTRATION OF CAVITATION LIFE EXTENSION FOR ...
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on the **motor** bearings, whereby the. **lifetime** will increase. ... creating a risk of **cavitation**. For these. applications the **WI+** **pump** is the perfect. choice. ...
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C. Ensures that electrical noise in the thermocouple **extension** wires does not ... C. The potential for **pump cavitation** decreases, and **pump** differential ...
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An ink jet recording apparatus having a sheet forward roller 8 and a **pump** unit 11 connected to a single drive **motor** 7, and a drive force is transmitted to ...
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respond properly to the **control signal** and one of the control valves can be opened.

Heat rejection. Tower flow, fans. Water treatment, **Motor-** **pump** ...

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point and prevents **cavitation** in the coolant circulating **pump**. driven by an electric **motor**. **Pump** housings are generally cast iron or carbon steel, ...

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Cost of Life **Extension-Motor** (M\$). \$13. Cost of Life **Extension-Pump**(M\$) The stroke of the valve is controlled by the **control signal** to the E/P ...

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微機電(MEMS)技術-- 美國關鍵專利- [Translate this page]

An AC **pump** voltage at twice the **motor** frequency is applied to the sense ... received from a device component and suitable power and **control signal** sources. ...

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the **motor** under constant speed operation does not, as the **pump** must overcome the chance of **cavitation**. Proper application is not directly covered by ...

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Knowledge Base All Questions and Answers - Bell & Gossett world ...

A: Bell & Gossett has recommended 30% as the minimum speed to ensure adequate **pump seal cooling** and to enable maximum **lifetime of pump and motor**. ...

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of the resulting smooth system are studied by using the **cavitation** percent of the final value and, the amplitude of the **control signal** is ...

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